

Jackson Demonstration State Forest

Walton-Tunnel 2016 Timber Sale

SUMMARY OF SALE INFORMATION

Bid Date:	April 28, 2016	Estimated Net Volume:	3,316	MBF
Minimum Bid:		THP Number:	1-14-130 MEN	
Redwood	\$540 /Mbf		1-15-146 MEN	
Fixed Price:		Information:	Heather Morrison	
Douglas-fir	\$40 /Mbf	Phone:	(707) 964-5674	
Whitewoods	\$40 /Mbf	Date:	3/15/2016	

Table 1. Estimated Total Volume to be Harvested (Bf)

Species	Gross	Net	% Defect & Breakage	% Species Comp.
Redwood	3,041,002	2,706,490	11%	82%
Douglas-fir	707,223	594,070	16%	18%
Whitewoods	18,286	16,270	11%	0%
Totals	3,766,511	3,316,830		100%

Table 2a. Estimated Volume, Cable (Bf)

Species	Gross	Net
Redwood	967,118	841,390
Douglas-fir	218,686	190,260
Whitewoods	0	0
Totals	1,185,804	1,031,650

Table 2b. Estimated Volume, Tractor (Bf)

66%

Species	Gross	Net
Redwood	1,855,241	1,614,060
Douglas-fir	432,694	376,440
Whitewoods	2,112	1,880
Totals	2,290,047	1,992,380

Table 3. Estimated Acreage

	Plan acres	Utility ROW	WLPZ	Net acres
Cable	68		17	51
Tractor	109	7	5	97
Totals	177			148

Table 4. QMD by Species (not including estimated cable corridor volume ~5%)

Species	
Redwood	27.1
Douglas-fir	29.9
Whitewoods	18.2

GENERAL INFORMATION

The list below is not intended to be all inclusive and all requirements of the Walton Gulch Timber Harvest Plan (1-14-130 MEN) and Tunnel #2 Timber Harvest Plan (1-15-146 MEN) apply. Copies of Sections I and II of the THP as well as Major Amendment #1 are available by request from the State Forest headquarters or available via the internet:

ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs/THPs2014/1-14-130MEN/

ftp://thp.fire.ca.gov/THPLibrary/North_Coast_Region/THPs/THPs2015/1-15-146MEN/.

One complete copy of each plan will be provided to the LTO.

TIMBER HARVESTING PLAN

Item 14d: The sale encompasses both a cut and leave tree mark.

In those units where a cut tree mark is utilized, trees will be marked with either blue or yellow paint. This includes hardwoods which must be harvested

In those units where a leave tree mark is utilized, trees will be marked with orange paint. This includes hardwoods which must be left if marked.

Within the WLPZ and EEZ of the leave tree marked units, a cut tree mark is used with yellow paint.

Trees not designated for harvesting may be felled in the following situations:

- 1) To provide safe operating corridors for skyline cable operations. See CABLE CLEARANCE TREES below, Item 14g.
- 2) To provide stumps for cable-rigging purposes.
- 3) Compliance with Title 8 CCR, Logging and Sawmill Safety Orders.
- 4) As described in Item 14(g) below for damaged trees.

Item 14f: All hardwoods designated within the plan areas are to be felled, topped, and may be removed on request.

Slash at tractor landings is to be spread on skid trails and packed with tractors. Slash at cable landings will be disposed of as directed by the Timber Sale Officer.

Item 14g: Trees Substantially Damaged by Logging Activities: Damaged trees may not be felled if within a WLPZ, if designated for retention, or if the damaged tree has a cavity potentially used by wildlife. Otherwise, merchantable young growth trees damaged during timber operations shall be felled and yarded as approved and directed by the plan submitter.

Downed Trees: There shall be no cutting or removal of existing undesignated down trees or logs. These logs may be moved if necessary for clearing truck road rights-of-way and as otherwise necessary to harvest the designated timber. If windthrow of merchantable trees occurs in the logging area prior to completion of operations, windthrown trees outside of the WLPZ may be harvested upon approval of the plan submitter.

Cable Clearance Trees: Any tree (within the THP area only) may be harvested/felled if necessary for cable clearance, except for trees located within a WLPZ. Trees located within a WLPZ shall not be felled for cable corridors unless they directly impact the safety of cable yarding operations. These trees felled for safety may be harvested. No trees located within the channel zone of a Class I or II watercourse may be felled for cable clearance. Compliance with all other applicable Forest Practice Rules and requirements in the THP is required.

- Item 15: SOD Compliance: LTO is responsible for ensuring all vehicles are free from regulated host material. If logs will be delivered to a destination other than stated a minor amendment is required.
- Item 16: With prior approval of the Plan Submitter's designee, the LTO may cable yard any area designated for ground based yarding provided it will afford equal or greater protection to the soil and residual stand.
- Item 18: Soil stabilization treatments required under item 18 will be accomplished with weed free straw. In the THP the coverage rate states at least 90% of the surface to a depth of at least three inches. However, the requirement stated in the Timber Sale Contract shall be met: 95% surface coverage to a depth of at least four inches.

Traveled surfaces of logging roads shall be treated for dust abatement and kept in firm condition.

All waterbreaks shall be installed no later than the beginning of the winter period of the current year of timber operations.

Installation of drainage facilities and structures is required from October 15 to November 15 and from April 1 to May 1 on all constructed skid trails and tractor roads prior to sunset if the National Weather Service forecast is a "chance" (30% or more) of rain within the next 24 hours.

- Item 23: Year-round wet weather restrictions apply and shall be adhered to.

A winter and extended wet weather operating plan is included in Item 23 and shall be adhered to.

- Item 26: A limited number of trees have been marked for harvest within Class I and II WLPZs.

See Item 14 for cable corridor trees.

- Item 30: Slash created within 100 feet of JDSF road 430, 431, 440, and 445A; and within 50 feet of all other gated JDSF roads within the plan areas, shall be lopped to within 24 inches of the ground.

- Item 32: No timber operations shall occur until Northern Spotted Owl (NSO) protocol surveys have been completed for the current, and/or immediately preceding survey period, the results have been provided to CAL FIRE to be evaluated for consistency with the plan and the protocol, and the results have been amended into the plan.

No timber operations shall occur until a Townsend's Big-eared Bat (COTO) final survey has been completed. This final survey must occur no later than 72 hours before operations begin, within 400' of a COTO habitat tree (located within Tunnel Unit C).

- Item 33: All snags within the timber harvest area shall be retained with the exception of snags that pose a fire or safety hazard. If the LTO determines a snag to be a hazard, the LTO has the option to fall the snag for safety purposes.

- Item 36: A meeting is required prior to operations.

TIMBER SALE AGREEMENT

<u>Page</u>	<u>Item</u>	<u>Description</u>
3	2D	All timber removed be reason of this sale shall be 100 percent scaled by a recognized, independent, third party scaling organization at the PURCHASER's expense.
3	3A	At least 1.5MMBF of merchantable timber designated for cutting shall be paid for, cut and delivered on or before June 30, 2017. This date may be extended or the required volume may be adjusted mutually by the STATE and the PURCHASER due to unforeseen circumstances. All remaining merchantable timber designated for cutting shall be paid for and felled, and all other timber operations shall be completed by November 15, 2017. This Agreement shall terminate on May 15, 2018, by which date all requirements of the Agreement must be completed.
3	3B	Notification and permission is required for operations on weekends or State holidays.
5	7	<p>Provide production and cost data with respect to all timber harvesting operations and other forestry activities. Required data includes person-hours and equipment-hours spent on each activity, and applicable rates for employees, machines and supervision, and costs for any materials or services needed for completion of activities.</p> <p>Daily water use data with respect to water drafting activities shall be provided.</p>
5	8	Domestic Processing of timber is required.
6	10	The minimum log dimensions for utilization is 10 feet in length and 8 inches in small-end diameter.
6	11B	Payment for scaling and reporting services performed by the scaling organization shall be made by the Purchaser.
7	11I	At least three loads scaled within the previous five operating days shall be left rolled out in the mill yard where scaled to facilitate check scaling, unless otherwise approved by the Sale Officer.
7	11J	Conduct a minimum of one check scale per month per scaler by the scaling organization, during the operating season, to document scaler proficiency.
8	11P	Weekly reports of faller days and volume by unit. This information to be available for collection by the Timber Sale Officer or delivered to State Forest HQ no later than the following Tuesday.
10	13A	<p>All terms, provisions and requirements of the Forest Practice Rules and the Timber Harvesting Plan (1-14-130 MEN and 1-15-146 MEN) are made part of the Timber Sale Agreement.</p> <p>Upon completion of operations satisfactory to the Timber Sale Officer, the operator shall certify by letter to the STATE, all operations are complete and comply with Forest Practice Rules and THP.</p>
10	13A1	A pre-work conference to be attended by representatives of the State and the Purchaser, including subcontractors is required before operations can begin. A logging plan is required to be submitted to the Timber Sale Officer at least two working days prior to the pre-work conference.

Page	Item	Description
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| 11 | 13A2 | <p>No timber operations shall be conducted after January 31 of any year until the State or the Purchaser has completed required surveys for northern spotted owls, and extension of the No-Take determination has been received from the appropriate reviewing agency.</p> <p>No timber operations shall be conducted within 400' of a Townsend's big-eared bat habitat tree after January 1 of any year until the STATE has completed required surveys for them. Presence of this species of bat in or near the sale area may impact the conduct, extent or timing of harvesting operations.</p> |
| 11 | 13A3 | Flagging of all skid trails required at least two weeks in advance and notify the Timber Sale Officer for approval. |
| 11 | 13A5 | <p>Minimum distances between new skid trails is 100 feet, unless waived by the Sale Officer.</p> <p>Erosion control requirements apply year-round. Erosion control structures shall be installed on all skid trails and temporary or seasonal truck roads within 30 days of completion of their use, or at the end of day if the U.S. Weather Service forecast is a "chance" (30% probability or more) of rain before next working day or at any time that the equipment needed to install such structures leaves the sale area.</p> |
| 12 | 13A7 | Merchantable trees felled and bucked to log lengths, limbed to the 8-inch top, and the top bucked at the time of felling. |
| 12 | 13A8 | All slash created by timber operations within 100 feet of appurtenant roads within the THP boundary of Walton Unit A (Road 431), Walton Unit C (Road 431 & 430), Walton Unit E (Temporary Road 431A), Road 440 (adjacent Tunnel Unit A), Highway 20 (adjacent Tunnel Unit A) and Highway 20 (at intersection of Road 490B) and 50 feet of seasonal and permanent JDSF roads shall be lopped to 24 inches above the ground. |
| 12 | 13A9 | Maximize the extent of spreading slash to avoid or minimize the need for piling and isolating slash for burning. |
| 12 | 13A12 | Location of cable corridors will be flagged, mapped, and approved by Sale Officer prior to rigging. Distance between cable corridors, no less than 200 feet measured from the back of cable road. |
| 13 | 13A13 | Corridor width not to exceed 10 feet. |
| 13 | 13A16 | No permanent painted messages. Use temporary signs to be removed once their function is complete. |
| 13 | 13A20 | Mulching standard is at least 95% coverage to a minimum depth of four inches. |
| 16 | 17D | All required culvert installations to be complete prior to log hauling on existing roads prior to October 15 of the first year of operations. |
| 17 | 17H | Maintenance work to be done within 15 days of end of hauling operation on each road and immediately on completion of hauling on any road after October 15. |

<u>Page</u>	<u>Item</u>	<u>Description</u>
18	17I	Where more than one timber sale must use the same road at the same time, the PURCHASER of the sale with the largest estimated timber volume to be removed over that road during the current operating season shall have the primary responsibility for routine maintenance (watering and grading) of those roads being used simultaneously.
19	17M	The purchaser shall obtain, pay application fees for, comply with an encroachment permit for JDSF Road 490 onto Highway 20, as well as engineer and construct this encroachment. Information on double permits can be found at: http://www.dot.ca.gov/hq/traffops/developserv/permits/pdf/publications/E.P. Application Guide Booklet.pdf and http://www.dot.ca.gov/hq/traffops/developserv/permits/pdf/forms/Fee Schedule.pdf
19	17P	The purchaser shall prepare and paint existing gates at JDSF Roads 400 (3 gates), 410, 420, 430 and 491. The purchaser shall remove and dispose of the existing gate at JDSF Road 490 at Highway 20, and block vehicle access to this entrance with rip-rap. The purchaser shall install and paint new gate at the new entrance of JDSF Road 490 and Highway 20.
20	17V	The purchaser shall block vehicle usage off county road into sale area.
20	20	In addition to required fire tools complement, the purchaser shall have available to the sale area for fire suppression purposes a "water wagon" or similar self-propelled vehicle of at least 1,000 gallon capacity. The "water wagon" shall be located within a 60 minute drive to the sale area.
23		Materials list.
23-28		Map Points.
77	1	A deposit of \$40,000 must be submitted with the bid.
78	3	Furnish STATE copies of Timber Yield Tax calculations and reporting forms.
82	4	Performance security of \$80,000 required prior to contract approval.

Walton-Tunnel Flagging Code

DESIGNATED ACTIVITY	FLAGGING COLOR
Timber harvesting boundary	Pink-glo Site-Mark® "TIMBER HARVEST BOUNDARY" in black lettering
Class I, II and Springs WLPZ	Blue/white stripe Site-Mark® "LAKE AND WATERCOURSE PROTECTION ZONE" in black lettering & solid orange
Class II watercourse (centerline)	Blue/white stripe
Class III watercourse (centerline)	Blue/white polka-dot
Tractor road (skid trail)	Yellow Site-Mark® "SKID TRAIL" in black lettering
Road grade centerline	Orange Site-Mark® "TRUCK ROAD" in black lettering
Landing at end of road	Three solid orange flags
Map Points	Solid orange and solid yellow (Walton Gulch THP) or solid white (Tunnel #2 THP)
Equipment Exclusion Zone (EEZ) Equipment Limitation Zone (ELZ)	Solid red and solid white
Tractor road (skid trail)	Solid yellow "SKID TRAIL" in black lettering
Message/note	Pink/black stripe & lime green (combination)
Unstable areas, protection zones	Orange/white stripe Site-Mark® "SPECIAL TREATMENT AREA" in black lettering & solid orange